

^{95}Ru ε decay [2007Sh35,1974Kr02](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

Parent: ^{95}Ru : $E=0.0$; $J^\pi=5/2^+$; $T_{1/2}=1.643$ h $I3$; $Q(\varepsilon)=2565$ $I2$; $\% \varepsilon + \% \beta^+$ decay=100.0

[2007Sh35](#): source produced by $^{92}\text{Mo}(\alpha, n)$ reaction at $E=17$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ coin using HPGe detectors. Results agree well with [1974Kr02](#), however, the gamma energy uncertainties from [2007Sh35](#) are unrealistically small. Levels reported by [2007Sh35](#) and not by [1974Kr02](#) were incorporated. Some weak gamma rays observed by [2007Sh35](#) were not adopted.

[1974Kr02](#): measured γ 's and $\gamma\gamma$ -coincidences; Ge(Li).

[1973Xe01](#): measured γ 's and $\gamma\gamma$ -coincidences; Ge(Li).

[1968Pi03](#): measured $E\beta$'s (scint), $\beta\gamma$ -coincidences (scint, Ge(Li)), γ 's (Ge(Li)), $\gamma\gamma$ -coincidences (Ge(Li), NaI), and $\gamma(t)$ (Ge(Li)).

α : [Additional information 1](#).

 ^{95}Tc Levels

E(level) [#]	J^π [†]	$T_{1/2}$ [†]	Comments
0.0	$9/2^+$	20.0 h I	
38.91 4	$1/2^-$	61 d 2	$\%IT=3.88$ 32; $\% \varepsilon + \% \beta^+ = 96.12$ 32 E(level): from Adopted Levels.
336.45 5	$7/2^+$		
626.91 5	$5/2^+$		
646.47 21	$3/2^-$		
667.81 10	$5/2^-$		
927.92 6	$3/2^+$		
956.61 [‡] 20	$11/2^+$		
1085.02 6	$(5/2)^+$		
1178.62 6	$7/2^+$		
1213.10 9	$9/2$		
1275.5 3	$3/2^-$		
1407.54 [‡] 24	$(5/2^-, 7/2^-)$		
1433.28 5	$5/2^+$		
1632.4 [‡] 3			
1639.54 14	$(3/2^-)$		
1691.34 8	$5/2^+, 7/2^+$		
1747.05 7	$(5/2)^+$		
1785.35 9	$(7/2)^+$		
1837.5 [‡] 3	$7/2^+, 9/2^+$		
1888.23 10	$(5/2^-)$		
1978.57 9	$3/2^+, 5/2^+, 7/2^+$		
2086.21 7	$3/2^+$		
2168.36 8	$7/2^+$		
2189.20 7	$5/2^+, 7/2^+$		
2203.67 20	$(3/2^+, 5/2^+)$		
2251.97 13	$(7/2)^+$		
2267.58 8	$(7/2)^+$		
2324.54 12	$5/2^+, 7/2^+$		
2328.79 14	$(3/2)^+$		
2382.4 3	$(5/2^+, 7/2^+)$		
2409.55 18	$(5/2^+, 7/2)$		

[†] From Adopted Levels.

[‡] Level placed following [2007Sh35](#).

[#] From least-squares fit to $E\gamma$.

^{95}Ru ε decay **2007Sh35,1974Kr02 (continued)** ε, β^+ radiations

E(decay)	E(level)	$I\beta^+ \ddagger$	$I\varepsilon \ddagger$	Log ft	$I(\varepsilon + \beta^+) \ddagger$	Comments
(155 12)	2409.55		0.111 12	5.19 10	0.111 12	$\varepsilon K=0.839$ 4; $\varepsilon L=0.130$ 3; $\varepsilon M+=0.0312$ 7
(183 12)	2382.4		0.065 12	5.57 11	0.065 12	$\varepsilon K=0.8444$ 22; $\varepsilon L=0.1256$ 17; $\varepsilon M+=0.0300$ 5
(236 12)	2328.79		0.33 7	5.11 11	0.33 7	$\varepsilon K=0.8511$ 12; $\varepsilon L=0.1203$ 10; $\varepsilon M+=0.0286$ 3
(240 12)	2324.54		2.37 17	4.28 6	2.37 17	$\varepsilon K=0.8515$ 12; $\varepsilon L=0.1200$ 9; $\varepsilon M+=0.02848$ 25
(297 12)	2267.58		1.16 8	4.78 5	1.16 8	$\varepsilon K=0.8555$ 7; $\varepsilon L=0.1169$ 6; $\varepsilon M+=0.02761$ 15
(313 12)	2251.97		0.51 4	5.19 5	0.51 4	$\varepsilon K=0.8563$ 7; $\varepsilon L=0.1162$ 5; $\varepsilon M+=0.02744$ 14
(361 12)	2203.67		0.093 4	6.06 4	0.093 4	$\varepsilon K=0.8584$ 5; $\varepsilon L=0.1146$ 4; $\varepsilon M+=0.02699$ 10
(376 12)	2189.20		1.46 7	4.90 4	1.46 7	$\varepsilon K=0.8589$ 5; $\varepsilon L=0.1142$ 4; $\varepsilon M+=0.02688$ 9
(397 12)	2168.36		1.95 7	4.82 4	1.95 7	$\varepsilon K=0.8596$ 4; $\varepsilon L=0.1137$ 3; $\varepsilon M+=0.02674$ 8
(479 12)	2086.21		4.41 24	4.64 4	4.41 24	$\varepsilon K=0.8616$ 3; $\varepsilon L=0.11207$ 20; $\varepsilon M+=0.02631$ 6
(586 12)	1978.57		3.69 14	4.90 3	3.69 14	$\varepsilon K=0.8634$ 2; $\varepsilon L=0.11068$ 13; $\varepsilon M+=0.02593$ 4
(677 12)	1888.23		0.64 3	5.79 3	0.64 3	$\varepsilon K=0.8644$ 2; $\varepsilon L=0.1099$ 1; $\varepsilon M+=0.02572$ 3
(728 12)	1837.5		0.028 7	7.21 11	0.028 7	$\varepsilon K=0.8649$ 1; $\varepsilon L=0.10951$ 9; $\varepsilon M+=0.02562$ 3
(780 12)	1785.35		1.55 19	5.53 6	1.55 19	$\varepsilon K=0.86528$ 9; $\varepsilon L=0.10919$ 7; $\varepsilon M+=0.02553$ 2
(818 12)	1747.05		4.27 24	5.13 3	4.27 24	$\varepsilon K=0.8655$; $\varepsilon L=0.10898$ 7; $\varepsilon M+=0.02547$ 2
(874 12)	1691.34		1.55 9	5.63 3	1.55 9	$\varepsilon K=0.8659$; $\varepsilon L=0.10871$ 6; $\varepsilon M+=0.02540$ 2
(933 12)	1632.4		0.020 6	7.58 13	0.020 6	$\varepsilon K=0.8662$; $\varepsilon L=0.10846$ 5; $\varepsilon M+=0.02533$ 2
(1132 12)	1433.28		24.0 10	4.671 21	24.0 10	$\varepsilon K=0.8670$; $\varepsilon L=0.10780$ 4; $\varepsilon M+=0.02516$ 1
(1157 12)	1407.54		0.0898 20	7.117 14	0.0898 20	$\varepsilon K=0.8670$; $\varepsilon L=0.10773$ 4; $\varepsilon M+=0.02514$ 1
(1290 12)	1275.5	6.9×10^{-5} 20	0.035 7	7.62 9	0.035 7	av $E\beta=124.8$ 52; $\varepsilon K=0.8658$ 3; $\varepsilon L=0.10723$ 7; $\varepsilon M+=0.02501$ 2
(1352 [#] 12)	1213.10	0.0005 3	0.11 6	7.17 24	0.11 6	av $E\beta=151.7$ 52; $\varepsilon K=0.8636$ 6; $\varepsilon L=0.1068$ 1; $\varepsilon M+=0.02491$ 3 Log ft : $\log f^{lu}t=7.9+5-2$ discrepant with decay scheme.
(1386 12)	1178.62	0.043 6	6.2 3	5.440 23	6.2 3	av $E\beta=166.6$ 52; $\varepsilon K=0.8618$ 8; $\varepsilon L=0.10652$ 12; $\varepsilon M+=0.02484$ 3
(1480 12)	1085.02	0.013 2	0.77 12	6.40 7	0.78 12	av $E\beta=206.8$ 52; $\varepsilon K=0.8536$ 15; $\varepsilon L=0.10533$ 20; $\varepsilon M+=0.02455$ 5
(1608 12)	956.61	0.0017 6	0.039 14	7.77 16	0.041 15	av $E\beta=262.0$ 52; $\varepsilon K=0.833$ 3; $\varepsilon L=0.1026$ 4; $\varepsilon M+=0.02391$ 8
1932 [†] 30	626.91	1.3 1	6.1 5	5.74 4	7.4 6	av $E\beta=405.3$ 53; $\varepsilon K=0.722$ 6; $\varepsilon L=0.0885$ 7; $\varepsilon M+=0.02062$ 16
2222 [†] 30	336.45	12.6 5	24.4 8	5.258 17	37.0 11	av $E\beta=533.4$ 54; $\varepsilon K=0.574$ 7; $\varepsilon L=0.0703$ 8; $\varepsilon M+=0.01636$ 19

[†] From $E\beta=910$ 30 and 1200 30 (1968Pi03).[‡] Absolute intensity per 100 decays.[#] Existence of this branch is questionable.

⁹⁵Ru ε decay 2007Sh35,1974Kr02 (continued)

γ(⁹⁵Tc)

I_γ normalization: From ΣI_γ(to g.s.+38-keV state)=100.

E _γ	I _γ ^a	E _i (level)	J _i ^π	E _f	J _f ^π	Mult. [†]	δ [†]	α [†]	Comments
157.4 ^c 3	0.05 2	1085.02	(5/2) ⁺	927.92	3/2 ⁺	[M1,E2]		0.16 9	α(K)=0.14 7; α(L)=0.020 12; α(M)=0.0037 23; α(N)=0.0006 4; α(O)=2.8×10 ⁻⁵ 12 α(N+..)=0.0006 4
254.58 20	0.22 1	1433.28	5/2 ⁺	1178.62	7/2 ⁺	(M1)		0.0226	α(K)=0.0198 3; α(L)=0.00231 4; α(M)=0.000419 6; α(N)=6.67×10 ⁻⁵ 10; α(O)=4.45×10 ⁻⁶ 7
290.38 10	3.73 10	626.91	5/2 ⁺	336.45	7/2 ⁺	(M1+E2)	+0.17 17	0.0165 10	α(N+..)=7.12×10 ⁻⁵ 10 α(K)=0.0144 8; α(L)=0.00169 13; α(M)=0.000307 23; α(N)=4.9×10 ⁻⁵ 4; α(O)=3.23×10 ⁻⁶ 15
301.01 10	2.13 6	927.92	3/2 ⁺	626.91	5/2 ⁺	(M1+E2)	-0.21 3	0.01519 25	α(N+..)=5.2×10 ⁻⁵ 4 α(K)=0.01330 22; α(L)=0.00156 3; α(M)=0.000283 5; α(N)=4.49×10 ⁻⁵ 8; α(O)=2.97×10 ⁻⁶ 5
312.6 ^c 8	0.22 15	1747.05	(5/2) ⁺	1433.28	5/2 ⁺	(M1)		0.01341 21	α(N+..)=4.79×10 ⁻⁵ 9 α(K)=0.01175 19; α(L)=0.001364 21; α(M)=0.000247 4; α(N)=3.93×10 ⁻⁵ 6; α(O)=2.63×10 ⁻⁶ 4
(331.38 [†] 7) 336.40 10	0.0025 [‡] 8 70.8 5	667.81 336.45	5/2 ⁻ 7/2 ⁺	336.45 0.0	7/2 ⁺ 9/2 ⁺	M1+E2	+0.33 6	0.0118 3	α(N+..)=4.20×10 ⁻⁵ 7 α(K)=0.01030 23; α(L)=0.00121 4; α(M)=0.000220 6; α(N)=3.48×10 ⁻⁵ 9; α(O)=2.28×10 ⁻⁶ 5
348.20 10	0.21 1	1433.28	5/2 ⁺	1085.02	(5/2) ⁺	(M1)		0.01024	α(N+..)=3.71×10 ⁻⁵ 10 α(K)=0.00898 13; α(L)=0.001038 15; α(M)=0.000188 3; α(N)=3.00×10 ⁻⁵ 5; α(O)=2.01×10 ⁻⁶ 3
403.8 ^{#c} 4	0.028 [#] 7	2382.4	(5/2 ⁺ ,7/2 ⁺)	1978.57	3/2 ⁺ ,5/2 ⁺ ,7/2 ⁺				α(N+..)=3.20×10 ⁻⁵ 5
421.3 2	0.07 1	2168.36	7/2 ⁺	1747.05	(5/2) ⁺				
446.4 ^c 3	0.08 4	2086.21	3/2 ⁺	1639.54	(3/2) ⁻				
(458.0 [†] 2)	0.055 [‡] 8	1085.02	(5/2) ⁺	626.91	5/2 ⁺				
477.3 2	0.05 1	2168.36	7/2 ⁺	1691.34	5/2 ⁺ ,7/2 ⁺				
504.8 3	0.12 5	1433.28	5/2 ⁺	927.92	3/2 ⁺				
551.62 10	1.72 6	1178.62	7/2 ⁺	626.91	5/2 ⁺				
560.0 ^c 5	0.05 3	2251.97	(7/2) ⁺	1691.34	5/2 ⁺ ,7/2 ⁺				

⁹⁵Ru ε decay [2007Sh35,1974Kr02](#) (continued) $\gamma(^{95}\text{Tc})$ (continued)

E_γ	I_γ^a	$E_i(\text{level})$	J_i^π	E_f	J_f^π	$\alpha^\dagger$
564.09@ 25	0.042& 3	2203.67	(3/2 ⁺ , 5/2 ⁺)	1639.54	(3/2 ⁻)	
572.4 ^c 4	0.13 6	1785.35	(7/2) ⁺	1213.10	9/2	
576.1 ^c 6	0.04 3	2267.58	(7/2) ⁺	1691.34	5/2 ⁺ , 7/2 ⁺	
580.8 ^c 8	0.06 6	2328.79	(3/2) ⁺	1747.05	(5/2) ⁺	
591.42 10	1.20 5	927.92	3/2 ⁺	336.45	7/2 ⁺	
606.3 [#] 5	0.08 [#] 3	1691.34	5/2 ⁺ , 7/2 ⁺	1085.02	(5/2) ⁺	
607.3 [#] 5	0.20 [#] 6	646.47	3/2 ⁻	38.91	1/2 ⁻	
626.83 10	18.0 5	626.91	5/2 ⁺	0.0	9/2 ⁺	0.011 5
628	0.13 4	667.81	5/2 ⁻	38.91	1/2 ⁻	
652.81 10	1.03 4	2086.21	3/2 ⁺	1433.28	5/2 ⁺	
662.2 ^{#c} 3	0.042 [#] 7	2409.55	(5/2 ⁺ , 7/2)	1747.05	(5/2) ⁺	
689.3 3	0.08 1	2328.79	(3/2) ⁺	1639.54	(3/2 ⁻)	
711.54 20	0.18 2	1639.54	(3/2 ⁻)	927.92	3/2 ⁺	
735.1 [#] 2	0.47 2	2168.36	7/2 ⁺	1433.28	5/2 ⁺	
748.50 10	1.63 6	1085.02	(5/2) ⁺	336.45	7/2 ⁺	
755.86 10	0.22 2	2189.20	5/2 ⁺ , 7/2 ⁺	1433.28	5/2 ⁺	
786.8 ^c 4	0.05 4	1433.28	5/2 ⁺	646.47	3/2 ⁻	
806.28 10	4.09 17	1433.28	5/2 ⁺	626.91	5/2 ⁺	
819.07 10	0.65 3	1747.05	(5/2) ⁺	927.92	3/2 ⁺	
834.4 ^c 3	0.07 1	2267.58	(7/2) ⁺	1433.28	5/2 ⁺	
842.16 10	1.28 5	1178.62	7/2 ⁺	336.45	7/2 ⁺	
^x 847.6 4	0.07 2					
876.7 3	0.22 2	1213.10	9/2	336.45	7/2 ⁺	
889.00 10	1.93 10	927.92	3/2 ⁺	38.91	1/2 ⁻	
891 1	0.18 9	2324.54	5/2 ⁺ , 7/2 ⁺	1433.28	5/2 ⁺	
893.3 2	0.16 7	1978.57	3/2 ⁺ , 5/2 ⁺ , 7/2 ⁺	1085.02	(5/2) ⁺	
956.6 2	0.042 15	956.61	11/2 ⁺	0.0	9/2 ⁺	
960.1 2	0.22 2	1888.23	(5/2 ⁻)	927.92	3/2 ⁺	
975.9 ^c 3	0.06 1	2409.55	(5/2 ⁺ , 7/2)	1433.28	5/2 ⁺	
989.72 [#] 10	0.71 3	2168.36	7/2 ⁺	1178.62	7/2 ⁺	
992.3 ^{†c} 7	0.027 [‡] 8	1639.54	(3/2 ⁻)	646.47	3/2 ⁻	
1010.57 10	0.73 3	2189.20	5/2 ⁺ , 7/2 ⁺	1178.62	7/2 ⁺	
1050.68 10	2.63 11	1978.57	3/2 ⁺ , 5/2 ⁺ , 7/2 ⁺	927.92	3/2 ⁺	
1064.39 10	0.75 6	1691.34	5/2 ⁺ , 7/2 ⁺	626.91	5/2 ⁺	
1070.81@		1407.54	(5/2 ⁻ , 7/2 ⁻)	336.45	7/2 ⁺	
(1084.98 [†] 10)	0.031 [‡] 5	1085.02	(5/2) ⁺	0.0	9/2 ⁺	
1088.9 2	0.22 5	2267.58	(7/2) ⁺	1178.62	7/2 ⁺	
1096.80 10	21.2 10	1433.28	5/2 ⁺	336.45	7/2 ⁺	
1100 ^c 1	0.12 5	1747.05	(5/2) ⁺	646.47	3/2 ⁻	
1104.3 2	0.21 6	2189.20	5/2 ⁺ , 7/2 ⁺	1085.02	(5/2) ⁺	

⁹⁵Ru ε decay [2007Sh35,1974Kr02](#) (continued)

γ(⁹⁵Tc) (continued)

E _γ	I _γ ^a	E _i (level)	J _i ^π	E _f	J _f ^π	E _γ	I _γ ^a	E _i (level)	J _i ^π	E _f	J _f ^π
1118.69 [@] 25	0.052 ^{&} 2	2203.67	(3/2 ⁺ , 5/2 ⁺)	1085.02	(5/2) ⁺	1562.3 2	0.16 1	2189.20	5/2 ⁺ , 7/2 ⁺	626.91	5/2 ⁺
1120.11 10	0.95 5	1747.05	(5/2) ⁺	626.91	5/2 ⁺	1625.1 2	0.09 1	2251.97	(7/2) ⁺	626.91	5/2 ⁺
1158.4 ^b 1	0.71 ^b 18	1785.35	(7/2) ⁺	626.91	5/2 ⁺	1632.4 3	0.020 6	1632.4		0.0	9/2 ⁺
1158.4 ^b 1	0.85 ^b 20	2086.21	3/2 ⁺	927.92	3/2 ⁺	1642.0 2	0.10 1	1978.57	3/2 ⁺ , 5/2 ⁺ , 7/2 ⁺	336.45	7/2 ⁺
1178.7 2	5.20 25	1178.62	7/2 ⁺	0.0	9/2 ⁺	1691.4 2	0.09 1	1691.34	5/2 ⁺ , 7/2 ⁺	0.0	9/2 ⁺
1182.8 3	0.22 3	2267.58	(7/2) ⁺	1085.02	(5/2) ⁺	1697.6 2	0.12 1	2324.54	5/2 ⁺ , 7/2 ⁺	626.91	5/2 ⁺
(1213.10 [†] 10)	0.023 [‡] 3	1213.10	9/2	0.0	9/2 ⁺	1702.0 ^{#c} 3	0.099 [#] 15	2328.79	(3/2) ⁺	626.91	5/2 ⁺
1220.4 3	0.10 2	1888.23	(5/2) ⁻	667.81	5/2 ⁻	1747.0 3	0.04 1	1747.05	(5/2) ⁺	0.0	9/2 ⁺
1236.5 3	0.035 7	1275.5	3/2 ⁻	38.91	1/2 ⁻	1756.1 [#] 10	0.014 [#] 7	2382.4	(5/2 ⁺ , 7/2 ⁺)	626.91	5/2 ⁺
1240.4 [#] 2	0.08 5	2168.36	7/2 ⁺	927.92	3/2 ⁺	1785.4 2	0.60 5	1785.35	(7/2) ⁺	0.0	9/2 ⁺
1243.6 [#] 3	0.04 3	2328.79	(3/2) ⁺	1085.02	(5/2) ⁺	^x 1814.3 3	0.035 15				
1261.36 10	0.33 2	1888.23	(5/2) ⁻	626.91	5/2 ⁺	1831.9 [#] 2	0.24 2	2168.36	7/2 ⁺	336.45	7/2 ⁺
1295.8 ^{#c} 9	0.014 [#] 7	2382.4	(5/2 ⁺ , 7/2 ⁺)	1085.02	(5/2) ⁺	1837.5 3	0.028 7	1837.5	7/2 ⁺ , 9/2 ⁺	0.0	9/2 ⁺
1324.0 ^{#c} 3	0.014 [#] 7	2251.97	(7/2) ⁺	927.92	3/2 ⁺	1852.8 2	0.12 1	2189.20	5/2 ⁺ , 7/2 ⁺	336.45	7/2 ⁺
1339.62 10	0.25 2	2267.58	(7/2) ⁺	927.92	3/2 ⁺	1931.1 2	0.29 3	2267.58	(7/2) ⁺	336.45	7/2 ⁺
1351.9 2	0.86 6	1978.57	3/2 ⁺ , 5/2 ⁺ , 7/2 ⁺	626.91	5/2 ⁺	1978.3 ^c 4	0.014 5	1978.57	3/2 ⁺ , 5/2 ⁺ , 7/2 ⁺	0.0	9/2 ⁺
1355.1 2	0.79 5	1691.34	5/2 ⁺ , 7/2 ⁺	336.45	7/2 ⁺	1988.1 2	0.68 6	2324.54	5/2 ⁺ , 7/2 ⁺	336.45	7/2 ⁺
1400.8 3	0.030 6	2328.79	(3/2) ⁺	927.92	3/2 ⁺	2047.1 2	0.35 3	2086.21	3/2 ⁺	38.91	1/2 ⁻
1407.55 [@] 25	0.091 ^{&} 2	1407.54	(5/2 ⁻ , 7/2 ⁻)	0.0	9/2 ⁺	2168.1 [#] 3	0.046 6	2168.36	7/2 ⁺	0.0	9/2 ⁺
1410.63 10	2.51 16	1747.05	(5/2) ⁺	336.45	7/2 ⁺	2189.3 3	0.041 6	2189.20	5/2 ⁺ , 7/2 ⁺	0.0	9/2 ⁺
1418.7 3	0.033 6	2086.21	3/2 ⁺	667.81	5/2 ⁻	2252.0 2	0.36 3	2251.97	(7/2) ⁺	0.0	9/2 ⁺
1433.28 10	0.65 4	1433.28	5/2 ⁺	0.0	9/2 ⁺	2267.6 2	0.09 1	2267.58	(7/2) ⁺	0.0	9/2 ⁺
1448.93 20	0.13 1	1785.35	(7/2) ⁺	336.45	7/2 ⁺	2290.0 3	0.024 4	2328.79	(3/2) ⁺	38.91	1/2 ⁻
1459.32 10	2.12 13	2086.21	3/2 ⁺	626.91	5/2 ⁺	2324.5 2	1.42 14	2324.54	5/2 ⁺ , 7/2 ⁺	0.0	9/2 ⁺
1522.0 3	0.028 7	2168.36	7/2 ⁺	646.47	3/2 ⁻	2382.5 4	0.010 2	2382.4	(5/2 ⁺ , 7/2 ⁺)	0.0	9/2 ⁺
1541.3 [#] 2	0.28 2	2168.36	7/2 ⁺	626.91	5/2 ⁺	2410.2 3	0.010 2	2409.55	(5/2 ⁺ , 7/2)	0.0	9/2 ⁺

[†] From the adopted gammas.

[‡] From the strongest intensity for each state and the adopted branching ratios.

[#] From [1973Xe01](#). I_γ renormalized by evaluator to I_γ(336γ)=70.8.

[@] From [2007Sh35](#), δE_γ set as 0.25 keV, considerably larger than the values quoted by [2007Sh35](#).

[&] From [2007Sh35](#).

^a For absolute intensity per 100 decays, multiply by 0.9871.

^b Multiply placed with intensity suitably divided.

^c Placement of transition in the level scheme is uncertain.

^x γ ray not placed in level scheme.

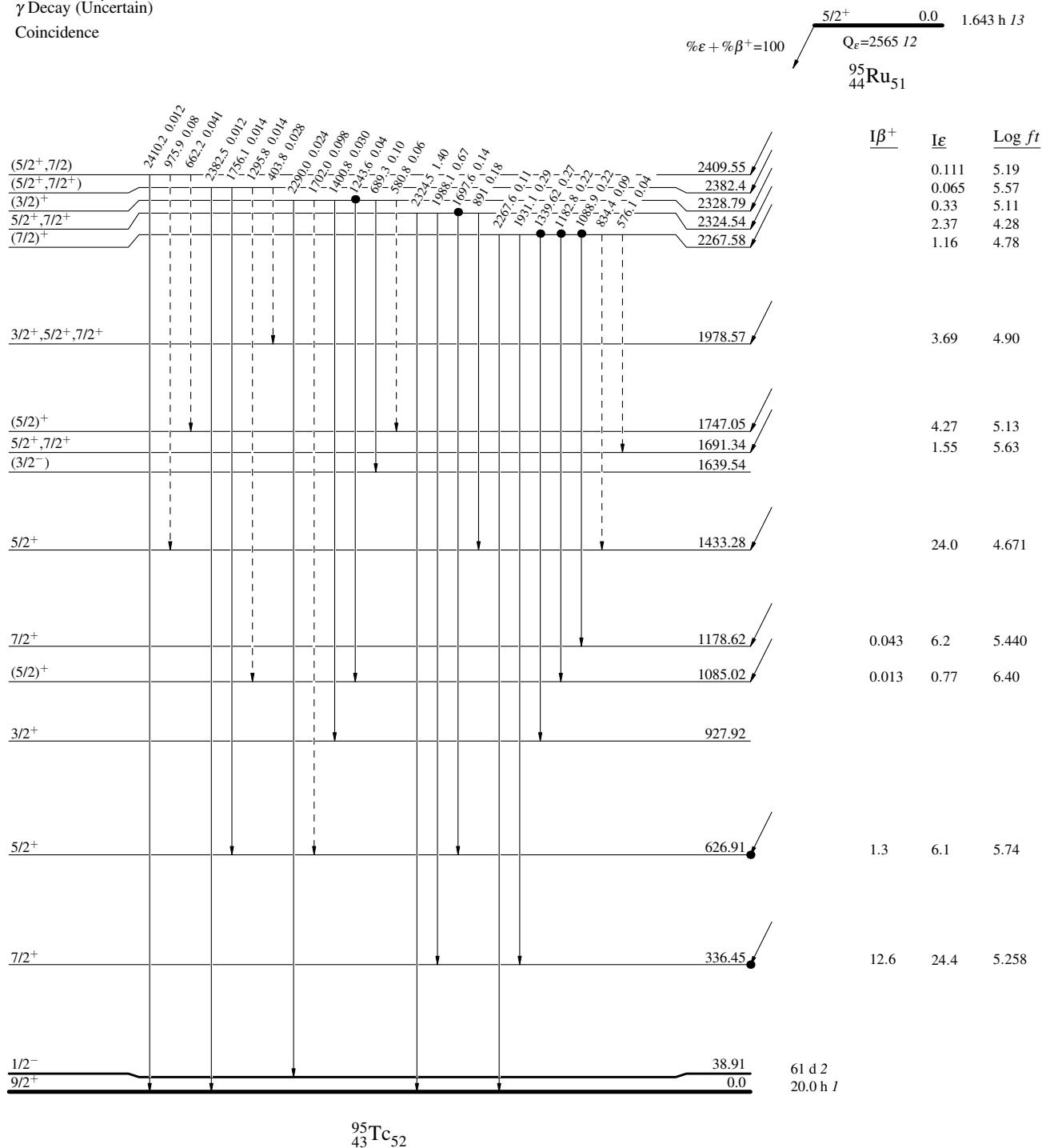
⁹⁵Ru ε decay 2007Sh35,1974Kr02

Legend

- I_γ < 2% × I_γ^{max}
- I_γ < 10% × I_γ^{max}
- I_γ > 10% × I_γ^{max}
- - - γ Decay (Uncertain)
- Coincidence

Decay Scheme

Intensities: I_(γ+ce) per 100 parent decays



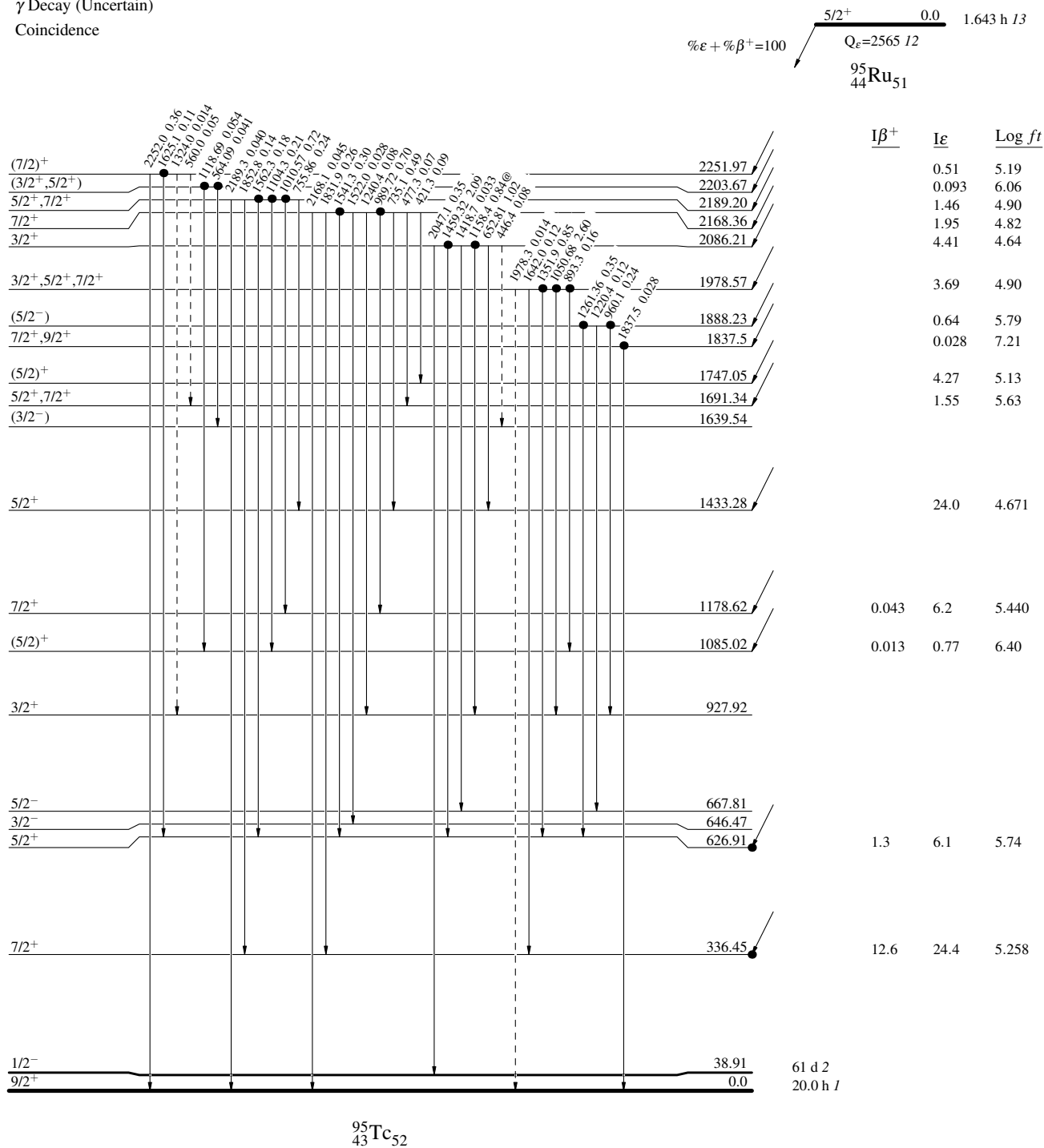
^{95}Ru ϵ decay 2007Sh35,1974Kr02

Decay Scheme (continued)

Legend

- $\longrightarrow$ $I_\gamma < 2\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma < 10\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma > 10\% \times I_\gamma^{\max}$
 $\cdots$ γ Decay (Uncertain)
 $\bullet$ Coincidence

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
 @ Multiply placed: intensity suitably divided



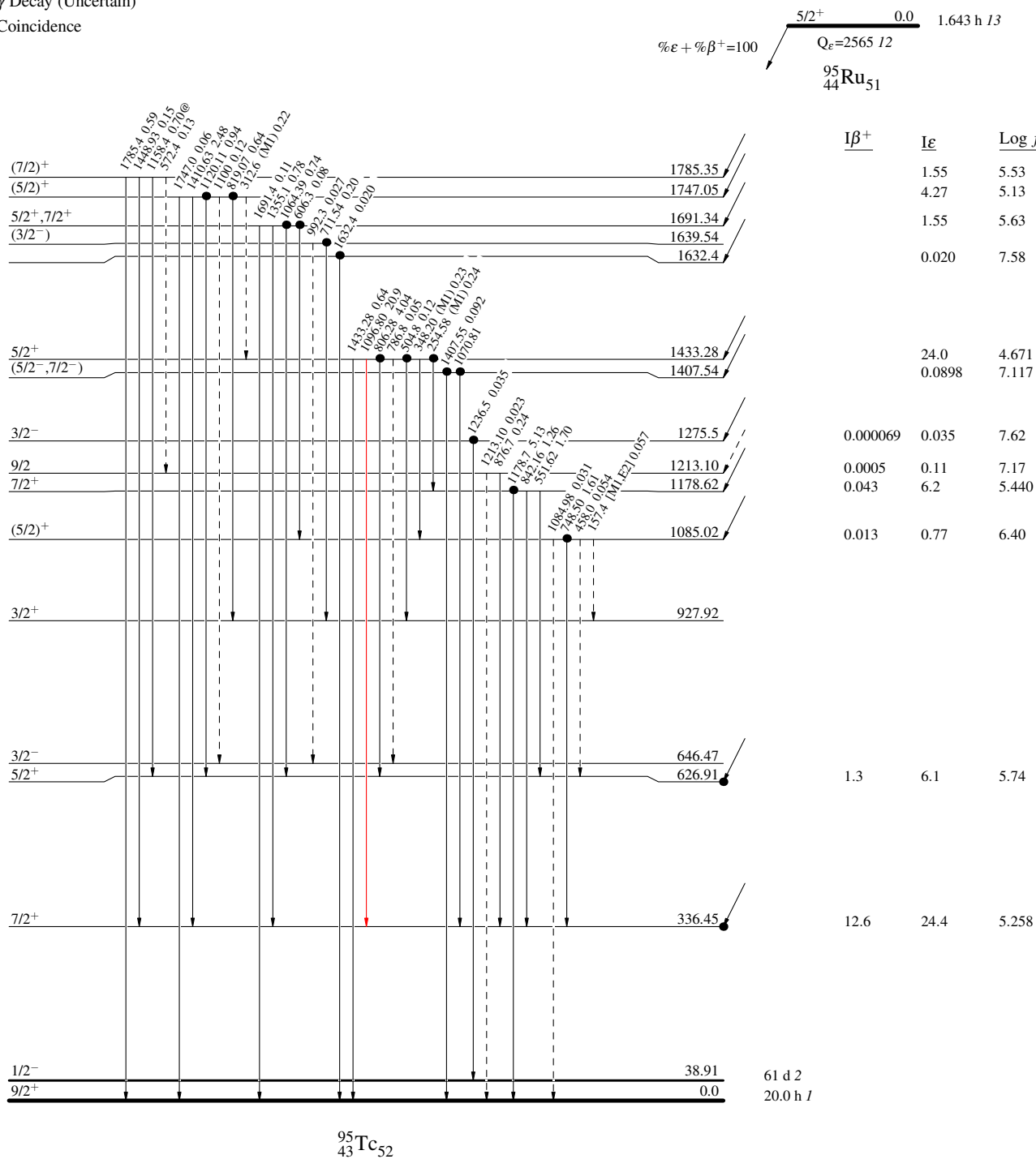
^{95}Ru ϵ decay 2007Sh35,1974Kr02

Decay Scheme (continued)

Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
 —→ $I_\gamma < 10\% \times I_\gamma^{\max}$
 —→ $I_\gamma > 10\% \times I_\gamma^{\max}$
 - - - - -→ γ Decay (Uncertain)
 • Coincidence

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
 @ Multiply placed: intensity suitably divided



⁹⁵Ru ε decay 2007Sh35,1974Kr02

Decay Scheme (continued)

- Legend
- $I_\gamma < 2\% \times I_\gamma^{max}$
 - $I_\gamma < 10\% \times I_\gamma^{max}$
 - $I_\gamma > 10\% \times I_\gamma^{max}$
 - - - - - γ Decay (Uncertain)
 - Coincidence

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided

